

CUSTOMER NO.: 24498
Serial No.: 10/550,262
Date of Office Action: 07/25/08
Response dated: 10/24/08

PATENT
PD030034

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Listing and Amendments to the Claims

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This listing of claims will replace all previous versions and listings of claims in this application:

1. **(Currently Amended)** A method for representing menu buttons in a menu for controlling the presentation of video data stored on a storage medium, the menu buttons having one out of three states, the states being normal, selected or activated, wherein the video data are presented on a display according to a given video frame rate, the method comprising the steps of
 - retrieving from said storage medium data describing the menu buttons, the data comprising, for each button, image data;
 - retrieving from said storage medium a value representing a relative rate for animating a sequence of pictures, wherein the rate is relative with respect to the video frame rate; and
 - representing the menu buttons on said display, wherein a menu button is represented by different images corresponding to different image data depending on its state being normal, selected or activated, and wherein the image data representing a particular menu button state on a display includes a sequence of pictures and wherein a rate at which the sequence of pictures being animated is according to said relative to a video frame rate, and a value representing said rate at which the sequence of pictures is displayed animated is stored on said storage medium.
2. **(Cancelled)**
3. **(Currently Amended)** The method as claimed in Method according to claim 1, wherein, for a particular state of a menu button, said sequence of pictures representing said button is repeated as long as the button remains in particular state.

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4. (Cancelled)
5. (Currently Amended) The method as claimed in Method according to claim 1, wherein a sound or sound sequence is associated to a particular state of a particular menu button, the sound or sound sequence being played back upon entry of the button into the associated state.
6. (Currently Amended) The method as claimed in Method according to claim 5, wherein the sound associated with a state of a menu button is a speech sequence.
7. (Cancelled)
8. (Currently Amended) The method as claimed in Method according to claim 1, wherein a data structure on said storage medium comprises a data segment defining a page composition, the data segment containing said data representing the menu buttons and said value representing a rate for animating a sequence of pictures.
9. (Cancelled)
10. (Currently Amended) An apparatus for displaying a menu on a screen, the menu being controlled by menu data read from a storage medium and the menu comprising menu buttons, the apparatus being adapted for representing the menu buttons as claimed in the method of claim 1, wherein the menu buttons may be represented according to the method of claim 1.
11. (Currently Amended) The apparatus as claimed in accordance to claim 10, wherein for a particular state the sequence of pictures representing a button is repeated as long as the button remains in its state.

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12. (Currently Amended) The apparatus as claimed in accordance to claim 10, wherein a sound or sound sequence are associated to a particular state of a particular menu button, the sound or sound sequence being played back upon entry of the button into the associated state.
13. (Cancelled)
14. (Currently Amended) The apparatus as claimed in accordance to claim 10, wherein the apparatus retrieves from wherein a data structure on said storage medium comprises a data segment defining a menu page composition, the data segment containing said data representing the menu buttons and said value representing a rate for animating a sequence of pictures.
15. (Currently Amended) The apparatus as claimed in accordance to claim 10, wherein the data segment comprises sound data for a sound associated to a particular state of a particular menu button.
16. (Cancelled)
17. (Currently Amended) The method as claimed in Method according to claim 1, wherein said data describing the menu buttons further comprise two region identifiers per button state, and each button image is addressable through at least one of said region identifiers.
18. (Currently Amended) The method as claimed in Method according to claim 17, wherein said two region identifiers per button state specify a range of regions, and each of the two region identifiers addresses a button image of said sequence of pictures.

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19. (Currently Amended) The apparatus as claimed in storage medium according to claim 10, wherein said data describing the menu buttons further comprise two region identifiers per button state, and each button image is addressable through at least one of said region identifiers.
20. (Currently Amended) The apparatus as claimed in storage medium according to claim 19_10, wherein said two region identifiers per button state specify a range of regions, and each of the two region identifiers addresses a button image of said sequence of pictures.
21. (New) The method as claimed in claim 1, further comprising the step of setting, according to said retrieved value, the relative rate for animating sequences of pictures.
22. (New) The method as claimed in claim 1, wherein said relative rate at which the sequence of pictures is animated is an integer fraction of the video frame rate and is lower than the video frame rate.
23. (New) The apparatus as claimed in claim 10, wherein the apparatus further comprises means for setting, according to said retrieved value, the relative rate for animating sequences of pictures.
24. (New) The apparatus as claimed in claim 10, wherein said relative rate at which the sequence of pictures is animated is an integer fraction of the video frame rate and is lower than the video frame rate.
25. (New) A storage medium being adapted for being readable by an apparatus as claimed in claim 10.